

		ording to Regulation (EC) No. 1907/2006 as amended by (0 ///					
	Section 1.	Identification of the Substance/Mixture and of th	e Company/Undertaking					
1	Product Code:	24216						
	Product Name:	Triadimenol						
	Synonyms:	.beta(4-chlorophenoxy)-a-(1,1-dimethylethyl)-	1H-1,2,4-triazole-1-ethanol;					
2	Relevant identified uses o	f the substance or mixture and uses advised aga	ainst:					
	Relevant identified uses: For research use only, not for human or veterinary use.							
3	Details of the Supplier of the Safety Data Sheet:							
	Company Name: Cayman Chemical Company							
		1180 E. Ellsworth Rd.						
		Ann Arbor, MI 48108						
	Web site address:	www.caymanchem.com						
	Information:	Cayman Chemical Company	+1 (734)971-3335					
4	Emergency telephone nur							
	Emergency Contact:	CHEMTREC Within USA and Canada:	+1 (800)424-9300					
		CHEMTREC Outside USA and Canada:	+1 (703)527-3887					
		Section 2. Hazards Identifica	ation					
I	Classification of the Subs	tance or Mixture:						
	A suite Taulaiten Oral Os	1						
	Acute Toxicity: Oral, Ca	tegory 4						
	Acute Toxicity: Oral, Category 4							
	Taxia Ta Danraduatian	Cotonomy 1P						
	Toxic To Reproduction,							
	-	Category 1B Effects on or via lactation						
	-	Effects on or via lactation						
2	Toxic To Reproduction,	Effects on or via lactation						
2	Toxic To Reproduction, Aquatic Toxicity (Chron	Effects on or via lactation						
2	Toxic To Reproduction, Aquatic Toxicity (Chron	Effects on or via lactation						
2	Toxic To Reproduction, Aquatic Toxicity (Chron	Effects on or via lactation						
2	Toxic To Reproduction, Aquatic Toxicity (Chron	Effects on or via lactation						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements:	Effects on or via lactation ic), Category 2						
2	Toxic To Reproduction, Aquatic Toxicity (Chron	Effects on or via lactation						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word:	Effects on or via lactation ic), Category 2						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe	Effects on or via lactation ic), Category 2 Danger ed.						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit	Effects on or via lactation ic), Category 2 Danger ed. ty or the unborn child.						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit H362: May cause harm to	Effects on or via lactation ic), Category 2 Danger ed. ty or the unborn child. b breast-fed children.						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit H362: May cause harm to H411: Toxic to aquatic life	Effects on or via lactation ic), Category 2 Danger ed. ty or the unborn child. b breast-fed children. e with long lasting effects.						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit H362: May cause harm to H411: Toxic to aquatic life GHS Precaution Phrase	Effects on or via lactation ic), Category 2 Danger ed. ty or the unborn child. b breast-fed children. with long lasting effects. s:						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit H362: May cause harm to H411: Toxic to aquatic life GHS Precaution Phrase P201: Obtain special inst	Effects on or via lactation ic), Category 2 Danger ed. ty or the unborn child. b breast-fed children. with long lasting effects. s: ructions before use.						
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit H362: May cause harm to H411: Toxic to aquatic life GHS Precaution Phrase P201: Obtain special instr	Effects on or via lactation ic), Category 2 Danger ed. by or the unborn child. b breast-fed children. with long lasting effects. s: ructions before use. all safety precautions have been read and understo	od.					
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit H362: May cause harm to H411: Toxic to aquatic life GHS Precaution Phrase P201: Obtain special inst P202: Do not handle until P260: Do not breathe {du	Effects on or via lactation ic), Category 2 Danger ed. ty or the unborn child. b breast-fed children. with long lasting effects. s: ructions before use. all safety precautions have been read and understo st/fume/gas/mist/vapors/spray}.	od.					
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit H362: May cause harm to H411: Toxic to aquatic life GHS Precaution Phrase P201: Obtain special inste P202: Do not handle until P260: Do not breathe {du P263: Avoid contact durin	Effects on or via lactation ic), Category 2 Danger ed. ty or the unborn child. b breast-fed children. e with long lasting effects. s: ructions before use. all safety precautions have been read and understo st/fume/gas/mist/vapors/spray}. g pregnancy/while nursing.	od.					
2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallowe H360: May damage fertilit H362: May cause harm to H411: Toxic to aquatic life GHS Precaution Phrase P201: Obtain special instu P202: Do not handle until P260: Do not breathe {du P263: Avoid contact durin P264: Wash {hands} thore	Effects on or via lactation ic), Category 2 Danger ed. by or the unborn child. b breast-fed children. with long lasting effects. s: ructions before use. all safety precautions have been read and understo st/fume/gas/mist/vapors/spray}. g pregnancy/while nursing. bughly after handling.	od.					
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2	Toxic To Reproduction, Aquatic Toxicity (Chron Label Elements: GHS Signal Word: GHS Hazard Phrases: H302: Harmful if swallows H360: May damage fertilit H362: May cause harm to H411: Toxic to aquatic life GHS Precaution Phrase P201: Obtain special instu P202: Do not handle until P260: Do not breathe {du P263: Avoid contact durin P264: Wash {hands} thor P273: Avoid release to th P280: Wear {protective gl GHS Response Phrases P301+312: IF SWALLOW	Effects on or via lactation ic), Category 2 Danger ed. by or the unborn child. b breast-fed children. e with long lasting effects. s: ructions before use. all safety precautions have been read and understo st/fume/gas/mist/vapors/spray}. g pregnancy/while nursing. bughly after handling. e environment. oves/protective clothing/eye protection/face protection : /ED: Call a POISON CENTER or doctor/physician if	on}.					



2.2			for Storage and Section 13 for	Disposal informatior	۱.				
2.3	2.3 Adverse Human Health Effects and Symptoms:		Harmful if swallowed.						
			Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption.						
			May cause eye, skin, or resp	-	-				
			May cause harm to breast-fe						
			May damage fertility or the u	nborn child.					
			Toxic to aquatic life with long lasting effects.						
			To the best of our knowledge	e, the toxicological pr	operties have not	t been thoroughly investigated.			
		Sect	tion 3. Composition	/Information of	on Ingredie	nts			
	CAS # / Hazardous Com RTECS # REACH Registre		oonents (Chemical Name)/ tion No.	Concentration	EC No./ EC Index No.	GHS Classification			
	9-65-3	1H-1,2,4-Triazole-1-		100.0 %	259-537-6	Acute Tox.(O) 4: H302			
KK220	0000	.beta(4-Chloropher	noxy)alpha		NA	Toxic Repro. 1B: H360			
						Toxic Lactate: H362 Aquatic (C) 2: H411			
┢━━					ļ				
			Section 4. Fi	rst Aid Measu	ires				
4.1	-	otion of First Aid							
	Measur								
	In Case	e of Inhalation:			respiration or giv	ve oxygen by trained personnel.			
	h. 0		Get immediate medical attention.Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined						
	In Case	e of Skin Contact:							
	In Case	of Eye Contact:							
	in ouse		and tested by medical personnel.						
	In Case	of Ingestion:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an						
		-	unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by						
			medical personnel.						
			Section 5. Fire	Fighting Mea	asures				
5.1	Suitabl	e Extinguishing	Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.						
	Media:		Use water spray to cool fire-exposed containers.						
	Unsuita	able Extinguishing	A solid water stream may be	inefficient.					
	Media:								
5.2		-	dNo data available.						
	Hazard	s:							
			No data available.						
	Flash F		No data.						
	-	ive Limits:	LEL: No data.	UEL: No da	ta.				
	-	nition Pt:	No data.						
5.3	Fire Fig	phting Instructions	: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.						
			equivalent), and full protectiv	e gear to prevent cor	ntact with skin an	a eyes.			



		Section 6. Accidental Release Measures					
6.1	Protective Precautions,	Avoid raising and breathing dust, and provide adequate ventilation.					
	Protective Equipment and	As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,					
	Emergency Procedures:	and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).					
6.2	Environmental	Take steps to avoid release into the environment, if safe to do so.					
	Precautions:						
6.3	Methods and Material For Contain spill and collect, as appropriate. Containment and Cleaning Transfer to a chemical waste container for disposal in accordance with local regulations.						
	Up:						
		Section 7. Handling and Storage					
7.1	Precautions To Be Taken	Avoid breathing dust/fume/gas/mist/vapours/spray.					
	in Handling:	Avoid prolonged or repeated exposure.					
7.2	Precautions To Be Taken	Keep container tightly closed.					
	in Storing:	Store in accordance with information listed on the product insert.					
	Sect	ion 8. Exposure Controls/Personal Protection					
8.1	Exposure Parameters:						
8.2	Exposure Controls:						
8.2.1	Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne					
	(Ventilation etc.):	levels below recommended exposure limits.					
8.2.2	Personal protection equip	oment:					
	Eye Protection:	Safety glasses					
	Protective Gloves:	Compatible chemical-resistant gloves					
	Other Protective Clothing:Lab coat						
	Respiratory Equipment	NIOSH approved respirator, as conditions warrant.					
	(Specify Type):						
	Work/Hygienic/Maintenan	Do not take internally.					
	ce Practices:	Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.					
		Wash thoroughly after handling.					
		No data available.					
	Se	ection 9. Physical and Chemical Properties					
9.1	Information on Basic Phys	sical and Chemical Properties					
	Physical States:	[]Gas []Liquid [X]Solid					
	Appearance and Odor:	A solid					
	pH:	No data.					
	Melting Point:	No data.					
	Boiling Point:	No data.					
	Flash Pt:	No data.					
	Evaporation Rate:	No data.					
	Flammability (solid, gas):	No data available.					
	Explosive Limits:	LEL: No data. UEL: No data.					
	Vapor Pressure (vs. Air or	mm No data.					
	Hg): Vapor Density (vs. Air = 1)): No data.					
	vapor Density (VS. All = 1)	j. No dala.					
		Multi-region formation					

Cayman

SAFETY DATA SHEET Triadimenol

	Specific	Gravity (Wator -	1).	No data.						
	Specific Gravity (Water = 1): Solubility in Water: Solubility Notes:									
				No data. Soluble (slightly) in: DMSO; MeOH;						
	Octanol/	Water Partition		No data.						
	Coefficie	ent:								
	Autoigni	tion Pt:		No data.						
	Decomp	osition Temperat	ure:	No data.						
	Viscosity:			No data.						
9.2	Other Inf	ormation								
	Percent Volatile: Molecular Formula & Weig			No data.						
	merecul		-				•			
			S	ection 10. Stat	bility and	Reactiv	vity			
10.1	Reactivity: No dat			a available.						
10.2	Stability	:	Unstat	ole [] Stable [X]						
10.3	-		Stable	Stable if stored in accordance with information listed on the product insert.						
			Will oc	Will occur [] Will not occur [X]						
10.4	-			a available.						
10.5		tibility - Materials								
	To Avoid	-	, en en g	onalg agoine						
10.6	Hazardo		carbor	dioxide						
10.0			carbon dioxide							
	-	osition or	carbon monoxide							
	Byprodu	cts:		nydrogen chloride gas nitrogen oxides						
-	_									
			Se	ction 11. Toxic	ological	Informa	ation			
11.1	Informat	ion on	The toxicological effects of this product have not been thoroughly studied.							
	Toxicolo	gical Effects:	Triadimenol - Toxicity Data: Oral LD50 (rat): 3800 mg/kg; Oral LD50 (mouse): 3250 mg/kg;							
	Chronic	Toxicological	Triadir	menol - Investigated as an agricultural chemical and reproductive effector						
	Effects:		Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.							
			See ad	tual entry in RTECS fo	or complete in	formation.				
			Triadir	nenol RTECS Number:	KK2200000					
CAS	#	Hazardous Com	nonent	s (Chemical Name)		NTP	IARC	ACGIH	OSHA	
			-							
052	19-65-3 1H-1,2,4-Triazole-1-etha .beta(4-Chlorophenoxy					n.a.	n.a.	n.a.	n.a.	
				•				•		
			S	ection 12. Eco	logical Ir	format	ion			
12.1	· · · ·		Avoid release into the environment.							
				Runoff from fire control or dilution water may cause pollution.						
12.2	Persistence and No da		No dat	No data available.						
	Degrada	bility:								
12.3	Bioaccumulative No da		No dat	a available.						
	Potential:									
12.4			lo data available.							
	12.5 Results of PBT and vPvB									
12.3			VB No data available.							
	assessm		·							
12.6	12.6 Other adverse effects: N		No da	a available.						
								Ν	Iulti-region forma	



_ entareat							
		Section 13. Dispos	sal Considera	ations			
13.1 Waste [Disposal Method:	Dispose in accordance with loca	al, state, and federa	regulations.			
		Section 14. Tran	sport Informa	ation			
14.1 LAND	RANSPORT (US	DOT):					
DOT Prope	er Shipping Name	: Not dangerous goods.					
DOT Hazaı							
UN/NA Nu							
	RANSPORT (Eur	. ,					
UN Numbe	Shipping Name:	Not dangerous goods.					
Hazard Cla							
	ANSPORT (ICAO/	IATA):					
	Shipping Name:	Not dangerous goods.					
Additional Tra	nsport	Transport in accordance with lo	ocal, state, and feder	ral regulations.			
Information:							
		Section 15. Regu	latory Informa	ation			
EPA SARA (Su	uperfund Amendm	nents and Reauthorization Act	of 1986) Lists				
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)		
55219-65-3	1H-1,2,4-Triazole .beta(4-Chlorop		No	No	No		
CAS #	Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists				
55219-65-3	1H-1,2,4-Triazole .beta(4-Chlorop		CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No				
Regulatory Info	ormation	This SDS was prepared in acco No.1272/2008.	ordance with 29 CFF	8 1910.1200 and R	egulation (EC)		
		Section 16. Oth	ner Informatio	on			
Revision Date:		06/09/2018					
Additional Info	rmation About	No data available.					
This Product:							
Company Policy or Disclaimer:		DISCLAIMER: This information currently available to us. Howev express or implied, with respect use. Users should make their of their particular purposes.	ver, we make no war to such information	rranty of merchanta , and we assume r	ability or any other warranty no liability resulting from its		